

## AMENDMENTS TO THE CLAIMS

The following listing of the claims replaces all previous listings.

## Claims 1-10 (cancelled)

11. (new) A modified monovalent antibody fragment comprising a heavy chain and a light chain, wherein:

said heavy chain consists of a  $V_H$  domain covalently linked at its C-terminus to a  $C_{H1}$  domain;

said light chain consists of a  $V_L$  domain, which is complementary to the  $V_H$  domain, covalently linked at its C-terminus to a  $C_L$  domain;

said  $CH1$  domain is extended to provide a hinge domain which contains only one cysteine residue;

the cysteine residues in the  $V_H$ ,  $C_{H1}$ ,  $V_L$  and  $C_L$  domains are in disulphide linkage to each other; and

the cysteine residue in the hinge domain is covalently linked through its sulphur atom to a polymer molecule.

12. (new) An antibody fragment according to claim 11 wherein the polymer is an optionally substituted, straight or branched chain polyalkylene, polyalkenylene or polyoxyalkylene polymer, or a branched or unbranched polysaccharide, said polymer being optionally substituted with hydroxy, methyl, or methoxy groups.

13. (new) An antibody fragment according to claim 12 wherein the polymer is an optionally substituted, straight or branched chain poly(ethylene glycol), poly(propylene glycol) or poly(vinyl alcohol) or a derivative thereof reactive for linking the antibody fragment and polymer, said polymer being optionally substituted with hydroxy, methyl, or methoxy groups.

14. (new) An antibody fragment according to claim 13 wherein the polymer is methoxy(polyethylene glycol), or a derivative thereof reactive for linking the antibody fragment and polymer.

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15. (new) An antibody fragment according to claim 11 covalently attached to one or more effector or reporter molecules.

16. (new) A pharmaceutical composition comprising a monovalent antibody fragment according to any one of the preceding claims together with one or more pharmaceutically acceptable excipients, diluents or carriers.